APPLICATION CERTIFICATION FCC Part 15C
On Behalf of
PIPO TECHNOLOGY CO., LIMITED

Media box
Model No.: X8

FCC ID: PT7-X9

Prepared for	:	PIPO TECHNOLOGY CO., LIMITED
Address	:	Area C, 3F, Bao Yun Da Logistics Centre, Warehouse Building, Xi Xiang Avenue, Bao An District, Shenzhen, China.
Prepared by	:	ACCURATE TECHNOLOGY CO., LTD
Address	:	F1, Bldg. A&D, Chan Yuan New Material Port, Keyuan Rd. Science & Industry Park, Nan Shan, Shenzhen, Guangdong P.R. China Tel: (0755) 26503290 Fax: (0755) 26503396

Report No.	:	ATE20161491
Date of Original Test	:	June 13-27, 2016
Date of new Test	:	June 13-July 20, 2016
Date of Report REV.1	:	June 28, 2016
Date of Report REV.2	:	July 21, 2016

TABLE OF CONTENTS

Description Page

Test Report Certification

Applicant	:	PIPO TECHNOLOGY CO., LIMITED
Manufacturer	:	PIPO TECHNOLOGY CO., LIMITED
EUT Description	:	Media box
Model No.	:	X8
Trade Mark	:	N/A

Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart C Section 15.247: 2015
ANSI C63.10: 2013

The device described above is tested by ACCURATE TECHNOLOGY CO. LTD to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C Section 15.247 limits. The measurement results are contained in this test report and ACCURATE TECHNOLOGY CO. LTD is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of ACCURATE TECHNOLOGY CO. LTD.

Date of Original Test :	June 13-27, 2016
Date of NEW Test :	June 13-July 20, 2016
Date of Report REV.1 :	June 28, 2016
Date of Report REV.2 :	July 21, 2016

Prepared by : Tim Zhang

(Tim.zhang, Engineer)

Approved & Authorized Signer :

(Sean Liu, Manager)

1. GENERAL INFORMATION

1.1.Description of Device (EUT)

EUT	:	Media box
Model Number	:	X8
Bluetooth version	:	BT V4.0 Dual Mode This report is for BT classic mode
Frequency Range	:	2402MHz-2480MHz
Number of Channels	:	40 for BT V4.0 LE 79 for BT classic mode
Antenna Gain	:	2dBi
Antenna type	:	External Antenna
Power Supply	:	AC 100-240V~50/60Hz
Adapter	:	Model:KA1433-1202400JP Input: 100-240V~50/60Hz 1.0A Max Out: 12V/2400mA
Modulation mode	:	GFSK for BT V4.0 LE GFSK, π/4 DQPSK, 8DPSK for BT classic mode
Applicant	:	PIPO TECHNOLOGY CO., LIMITED
Address	:	Area C, 3F, Bao Yun Da Logistics Centre, Warehouse Building, Xi Xiang Avenue, Bao An District, Shenzhen, China.
Manufacuter	:	PIPO TECHNOLOGY CO., LIMITED
Address	:	Area C, 3F, Bao Yun Da Logistics Centre, Warehouse Building, Xi Xiang Avenue, Bao An District, Shenzhen, China.
Date of sample received	:	Jun 13, 2016
Date of Test	:	June 13-July 20, 2016

1.2.Accessory and Auxiliary Equipment

N/A

1.3.Product differentiation Description

Note: Please refer to the above two pictures, in addition to the screen size of the product is not the same, the other circuit is exactly the same. After evaluation, We will test the the Conducted Emission and Radiated spurious emission(below 1GHz) for X8, Other projects refer to X9 test data, The original report number is ATE20161168.

1.4.Description of Test Facility

EMC Lab	:	Accredited by TUV Rheinland Shenzhen Listed by FCC The Registration Number is 752051 Listed by Industry Canada The Registration Number is 5077A-2 Accredited by China National Accreditation Committee for Laboratories The Certificate Registration Number is L3193
Name of Firm	:	ACCURATE TECHNOLOGY CO. LTD
Site Location	:	F1, Bldg. A, Changyuan New Material Port, Keyuan Rd. Science & Industry Park, Nanshan, Shenzhen, Guangdong P.R. China

1.5.Measurement Uncertainty

Conducted Emission Expanded Uncertainty	=	2.23dB, k=2
Radiated emission expanded uncertainty (9kHz-30MHz)	=	3.08dB, k=2
Radiated emission expanded uncertainty (30MHz-1000MHz)	=	4.42dB, k=2
Radiated emission expanded uncertainty (Above 1GHz)	=	4.06dB, k=2

2. MEASURING DEVICE AND TEST EQUIPMENT

Table 1: List of Test and Measurement Equipment

Kind of equipment	Manufacturer	Type	S/N	Calibrated dates	Calibrated until
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	Jan. 9, 2016	1 Year
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 9, 2016	1 Year
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 9, 2016	1 Year
Pre-Amplifier	Rohde&Schwarz	CBLU1183540-01	3791	Jan. 9, 2016	1 Year
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 14, 2016	1 Year
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 14, 2016	1 Year
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 14, 2016	1 Year
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	Jan. 14, 2016	1 Year
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 9, 2016	1 Year
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 9, 2016	1 Year
Highpass Filter	Wainwright Instruments	WHKX3.6/18G-10SS	N/A	Jan. 9, 2016	1 Year
Band Reject Filter	Wainwright Instruments	WRCG2400/2485-2375/2510-60/11SS	N/A	Jan. 9, 2016	1 Year

3. OPERATION OF EUT DURING TESTING

3.1.Operating Mode

The mode is used: Transmitting mode
Low Channel: 2402MHz
Middle Channel: 2441MHz
High Channel: 2480MHz
Hopping

3.2.Configuration and peripherals

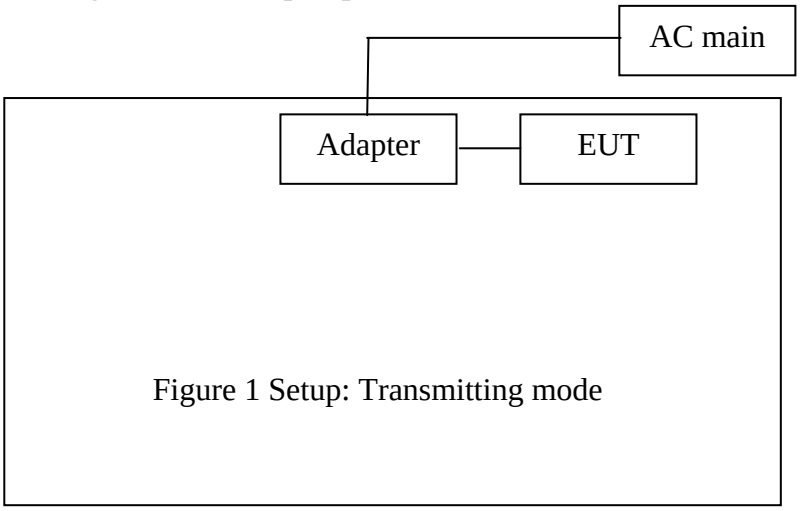


Figure 1 Setup: Transmitting mode

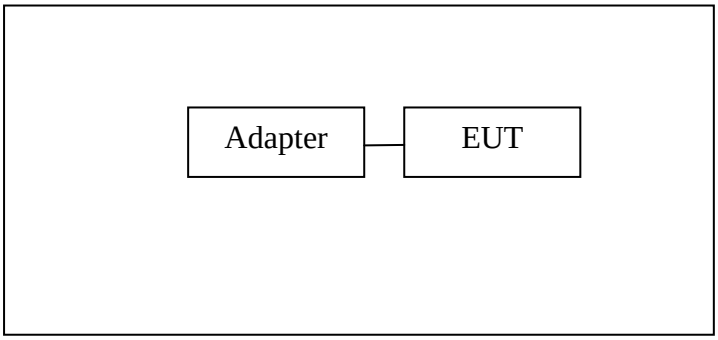
4. TEST PROCEDURES AND RESULTS

FCC Rules	Description of Test	Result
Section 15.207	Conducted Emission Test	Compliant
Section 15.247(d) Section 15.209	Radiated Emission Test	Compliant
Section 15.203	Antenna Requirement	Compliant

5. RADIATED EMISSION TEST

5.1.Block Diagram of Test Setup

5.1.1.Block diagram of connection between the EUT and peripherals

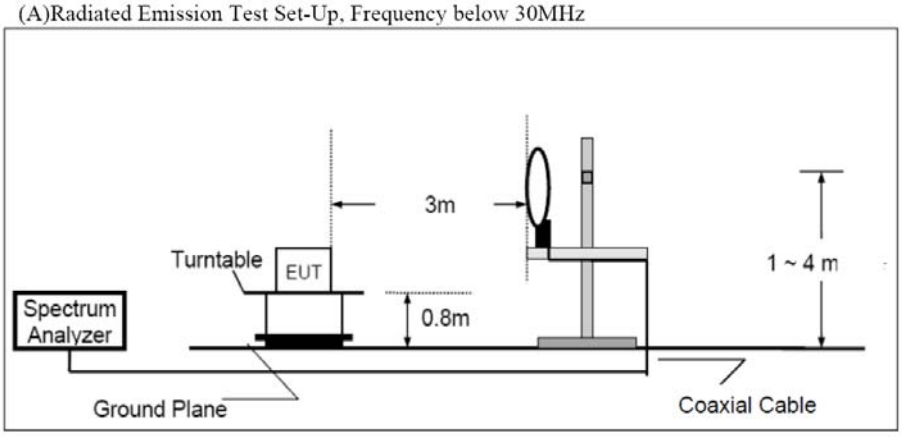


Setup: Transmitting mode

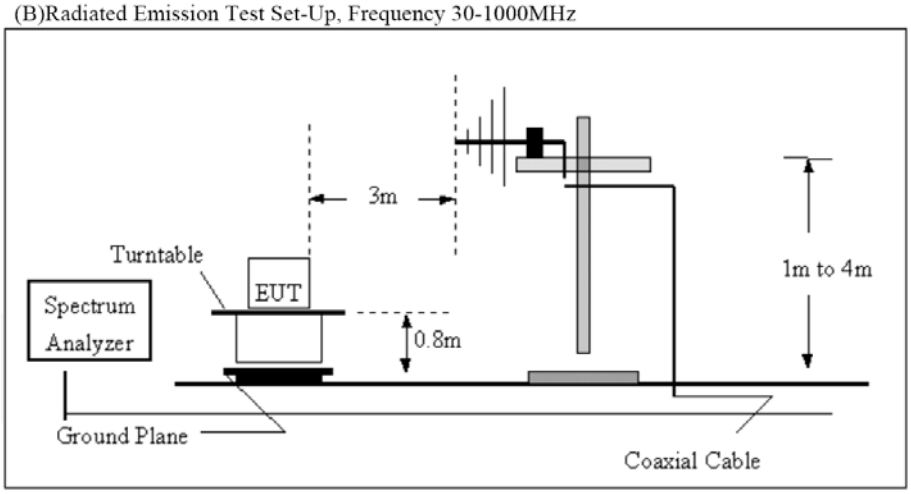
(EUT: Media box)

5.1.2.Semi-Anechoic Chamber Test Setup Diagram

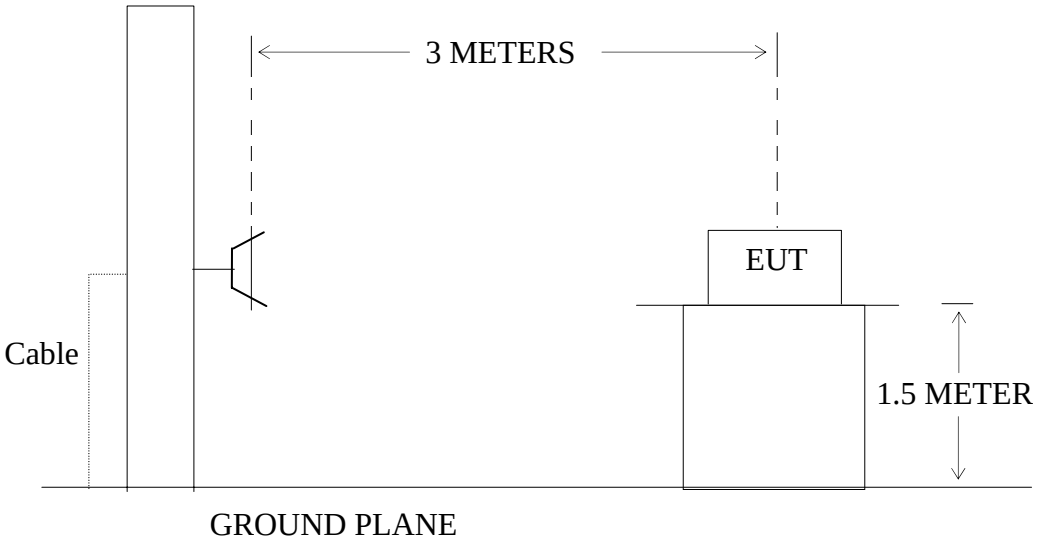
(A)Radiated Emission Test Set-Up, Frequency below 30MHz



(B)Radiated Emission Test Set-Up, Frequency 30-1000MHz



(C) Radiated Emission Test Set-Up, Frequency above 1GHz



5.2.The Limit For Section 15.247(d)

Section 15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

5.3.Restricted bands of operation

5.3.1.FCC Part 15.205 Restricted bands of operation

(a) Except as shown in paragraph (d) of this section, Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
[1]0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	([2])
13.36-13.41			

[1]Until February 1, 1999, this restricted band shall be 0.490-0.510
[2]Above 38.6

(b) Except as provided in paragraphs (d) and (e), the field strength of emission appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000MHz, Compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000MHz, compliance with the emission limits in Section15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

5.4.Configuration of EUT on Measurement

The equipment is installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

5.5.Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground(Below 1GHz). The EUT and its simulators are placed on a turntable, which is 1.5 meter high above ground(Above 1GHz). The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bi-log antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the EUT location must be manipulated according to ANSI C63.10:2013 on radiated emission measurement. The EUT was tested in 3 orthogonal planes.

During the radiated emission test, the spectrum analyzer was set with the following configurations:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for peak measurement with peak detector at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average measurement with peak detection at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

5.6.The Field Strength of Radiation Emission Measurement Results

Note:

1.We tested GFSK mode, Π/4-DQPSK Mode & 8QPSK mode and recorded the worst case data

(GFSK mode) for all test mode.

2. The test frequency is from 30MHz to 25GHz, The 18-25GHz emissions are not reported, because the levels are too low against the limit.

Below 1GHz(X8)

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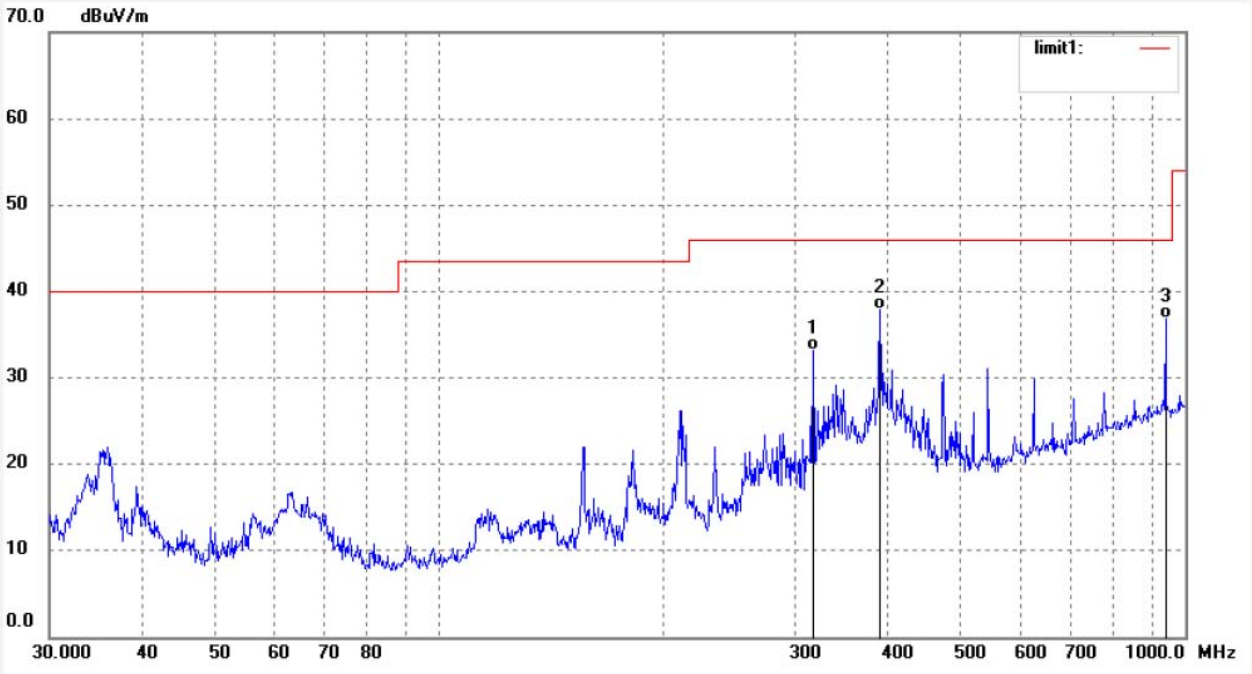
Job No.: STAR2016 #1181
Standard: FCC PART 15 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Media box
Mode: TX 2402MHz
Model: X8
Manufacturer: PIPO TECHNOLOGY CO., LIMITED

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 16/06/15/
Time: 10/32/59
Engineer Signature: star
Distance: 3m

Note: Report No.:ATE20161491



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	316.9717	49.08	-15.88	33.20	46.00	-12.80	QP			
2	389.9873	51.92	-14.09	37.83	46.00	-8.17	QP			
3	942.0180	40.41	-3.54	36.87	46.00	-9.13	QP			

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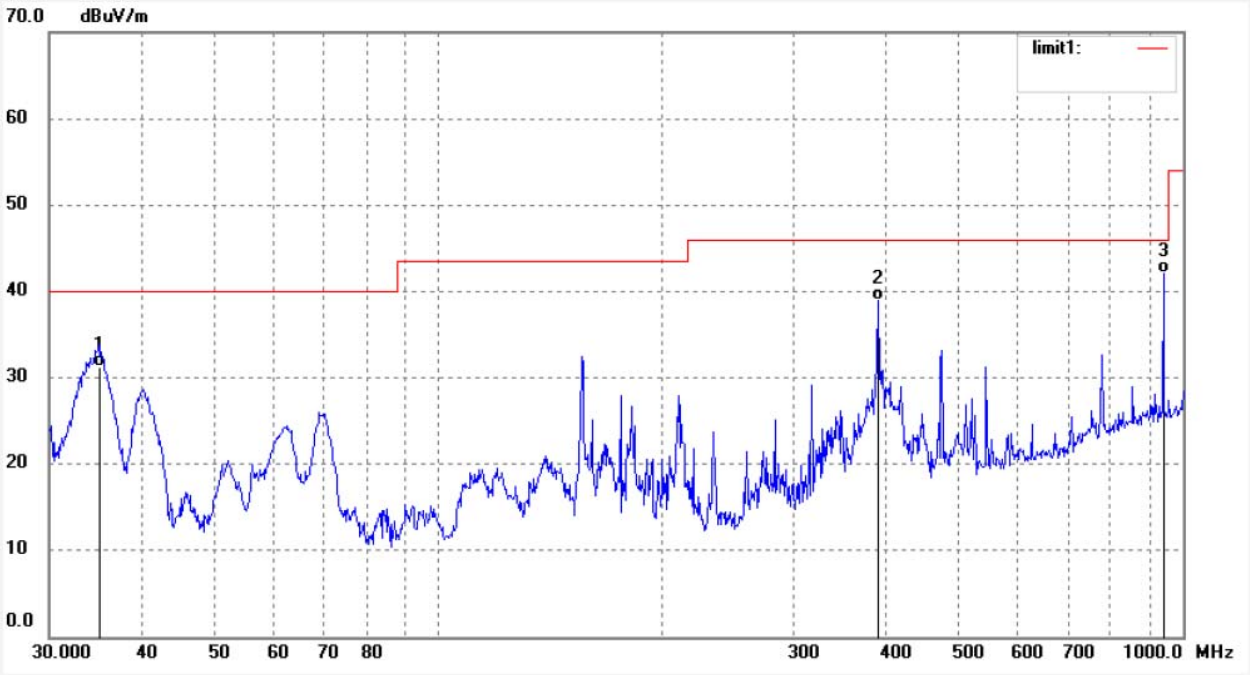
Job No.: STAR2016 #1180
Standard: FCC PART 15 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Media box
Mode: TX 2402MHz
Model: X8
Manufacturer: PIPO TECHNOLOGY CO., LIMITED

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 16/06/15/
Time: 10/31/21
Engineer Signature: star
Distance: 3m

Note: Report No.:ATE20161491



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	35.0157	48.79	-17.51	31.28	40.00	-8.72	QP			
2	389.9873	52.99	-14.09	38.90	46.00	-7.10	QP			
3	942.0180	45.59	-3.54	42.05	46.00	-3.95	QP			

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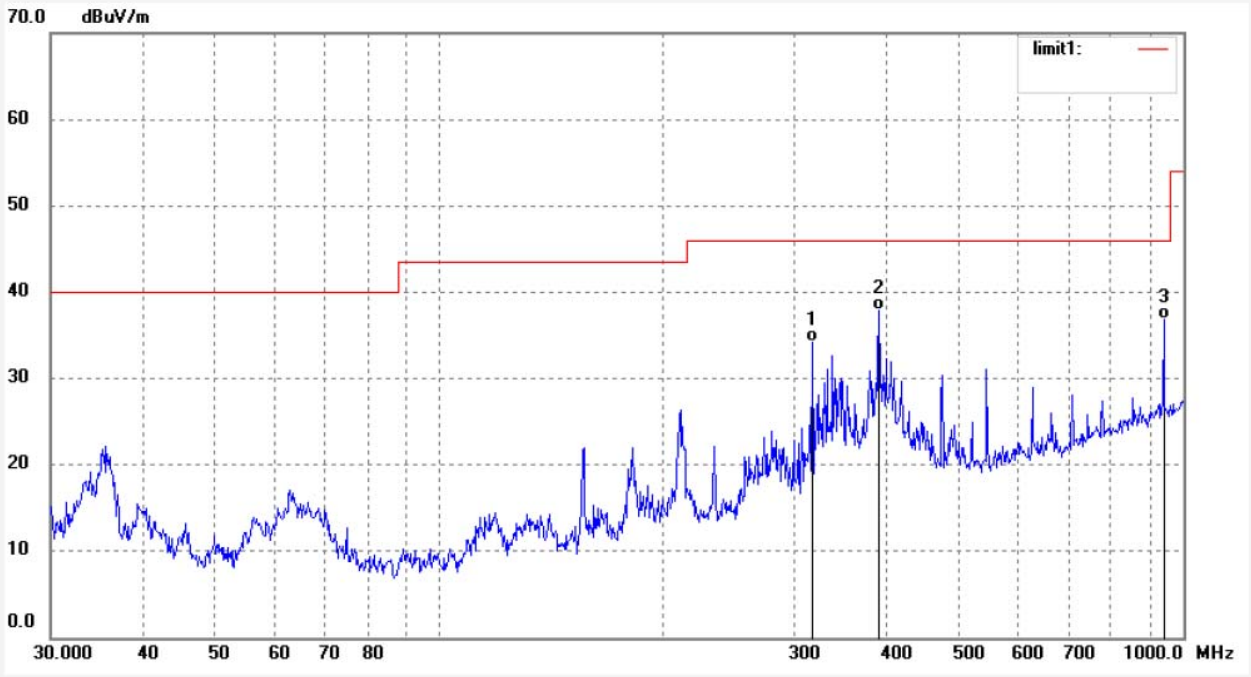
Fax:+86-0755-26503396

Job No.: STAR2016 #1182	Polarization: Horizontal
Standard: FCC PART 15 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/06/15/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/34/24
EUT: Media box	Engineer Signature: star
Mode: TX 2441MHz	Distance: 3m
Model: X8	
Manufacturer: PIPO TECHNOLOGY CO., LIMITED	

Note: Report No.:ATE20161491



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	316.9718	50.16	-15.88	34.28	46.00	-11.72	QP			
2	389.9874	51.99	-14.09	37.90	46.00	-8.10	QP			
3	942.0180	40.42	-3.55	36.87	46.00	-9.13	QP			

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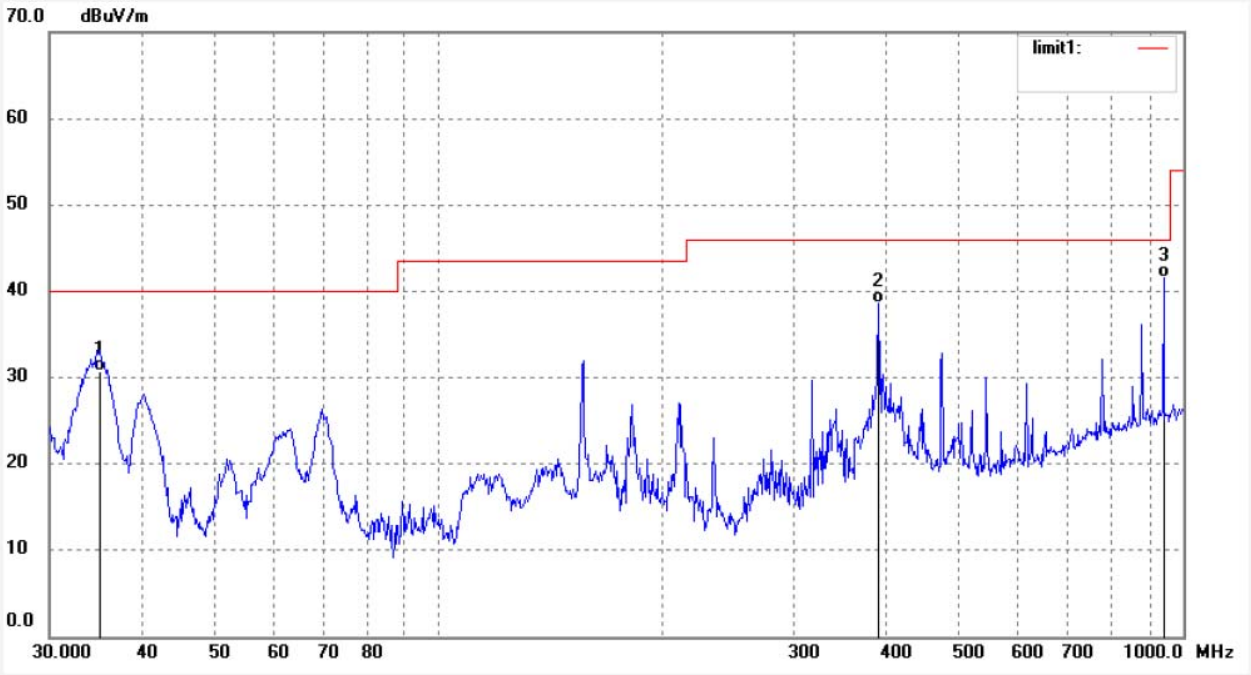
Job No.: STAR2016 #1183
Standard: FCC PART 15 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Media box
Mode: TX 2441MHz
Model: X8
Manufacturer: PIPO TECHNOLOGY CO., LIMITED

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 16/06/15/
Time: 10/35/12
Engineer Signature: star
Distance: 3m

Note: Report No.:ATE20161491



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	35.1389	48.34	-17.54	30.80	40.00	-9.20	QP			
2	389.9874	52.63	-14.09	38.54	46.00	-7.46	QP			
3	942.0180	45.13	-3.55	41.58	46.00	-4.42	QP			

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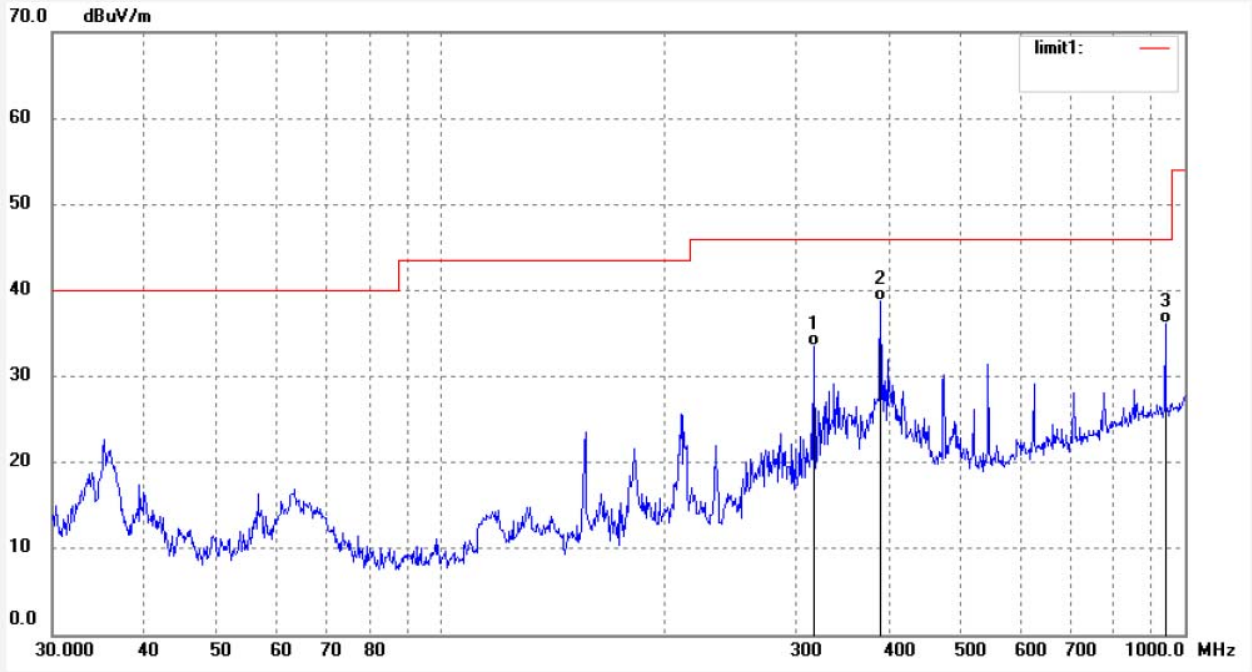
Job No.: STAR2016 #1185
Standard: FCC PART 15 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Media box
Mode: TX 2480MHz
Model: X8
Manufacturer: PIPO TECHNOLOGY CO., LIMITED

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 16/06/15/
Time: 10/37/50
Engineer Signature: star
Distance: 3m

Note: Report No.:ATE20161491



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	316.9717	49.40	-15.88	33.52	46.00	-12.48	QP			
2	389.9873	52.88	-14.09	38.79	46.00	-7.21	QP			
3	942.0180	39.62	-3.54	36.08	46.00	-9.92	QP			

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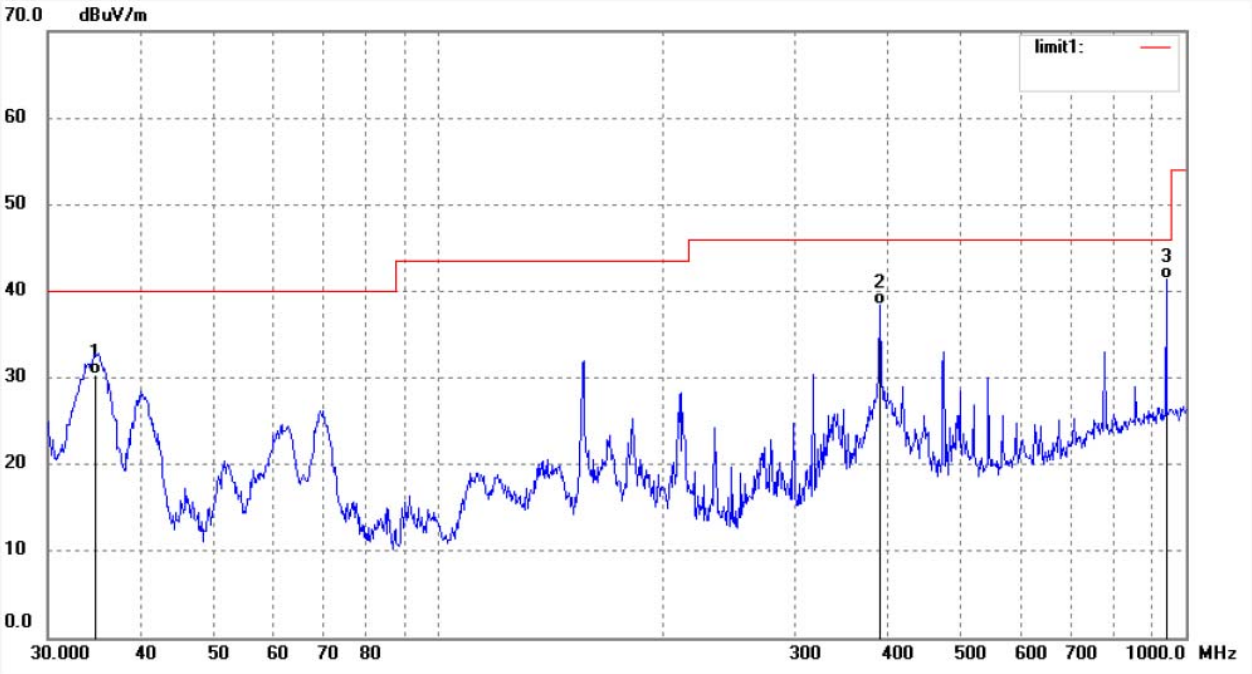
Job No.: STAR2016 #1184
Standard: FCC PART 15 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Media box
Mode: TX 2480MHz
Model: X8
Manufacturer: PIPO TECHNOLOGY CO., LIMITED

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 16/06/15/
Time: 10/36/18
Engineer Signature: star
Distance: 3m

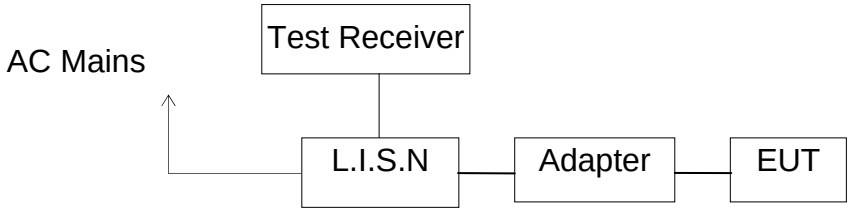
Note: Report No.:ATE20161491



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	34.7704	47.83	-17.47	30.36	40.00	-9.64	QP			
2	389.9873	52.42	-14.09	38.33	46.00	-7.67	QP			
3	942.0180	44.95	-3.54	41.41	46.00	-4.59	QP			

6. AC POWER LINE CONDUCTED EMISSION FOR FCC PART 15 SECTION 15.207(A)

6.1.Block Diagram of Test Setup



(EUT: Media box)

6.2.Power Line Conducted Emission Measurement Limits

Frequency (MHz)	Limit dB(μV)	
	Quasi-peak Level	Average Level
0.15 - 0.50	66.0 – 56.0 *	56.0 – 46.0 *
0.50 - 5.00	56.0	46.0
5.00 - 30.00	60.0	50.0
NOTE1: The lower limit shall apply at the transition frequencies. NOTE2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.		

6.3.Configuration of EUT on Measurement

The following equipments are installed on Power Line Conducted Emission Measurement to meet the commission requirement and operating regulations in a manner, which tends to maximize its emission characteristics in a normal application.

6.4.Operating Condition of EUT

6.4.1.Setup the EUT and simulator as shown as Section 6.1.

6.4.2.Turn on the power of all equipment.

6.4.3.Let the EUT work in test mode and measure it.

6.5.Test Procedure

The EUT is put on the plane 0.1m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10: 2013 on Conducted Emission Measurement.
The bandwidth of test receiver (R & S ESCS30) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

6.6.Power Line Conducted Emission Measurement Results

PASS.

The frequency range from 150kHz to 30MHz is checked.

Test mode : BT communicating(AC 120V/60Hz)
EUT mode : X8

MEASUREMENT RESULT: "PIPO617005_fin"

6/17/2016 9:38AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.560000	43.00	10.7	56	13.0	QP	L1	GND
0.890000	26.90	10.8	56	29.1	QP	L1	GND
26.320000	38.50	11.5	60	21.5	QP	L1	GND

MEASUREMENT RESULT: "PIPO617005_fin2"

6/17/2016 9:38AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.555000	36.20	10.7	46	9.8	AV	L1	GND
1.275000	15.60	10.9	46	30.4	AV	L1	GND
26.050000	34.10	11.5	50	15.9	AV	L1	GND

MEASUREMENT RESULT: "PIPO617006_fin"

6/17/2016 9:42AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.555000	42.10	10.7	56	13.9	QP	N	GND
0.965000	27.90	10.8	56	28.1	QP	N	GND
26.110000	36.10	11.5	60	23.9	QP	N	GND

MEASUREMENT RESULT: "PIPO617006_fin2"

6/17/2016 9:42AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.560000	35.60	10.7	46	10.4	AV	N	GND
0.900000	21.20	10.8	46	24.8	AV	N	GND
26.200000	31.40	11.5	50	18.6	AV	N	GND

Test mode : BT communicating(AC 240V/60Hz)
EUT mode : X8

MEASUREMENT RESULT: "PIPO617004_fin"

6/17/2016 9:34AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.585000	39.70	10.7	56	16.3	QP	L1	GND
1.065000	30.20	10.9	56	25.8	QP	L1	GND
26.785000	40.90	11.5	60	19.1	QP	L1	GND

MEASUREMENT RESULT: "PIPO617004_fin2"

6/17/2016 9:34AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.585000	32.90	10.7	46	13.1	AV	L1	GND
1.075000	22.90	10.9	46	23.1	AV	L1	GND
26.650000	37.10	11.5	50	12.9	AV	L1	GND

MEASUREMENT RESULT: "PIPO617003_fin"

6/17/2016 9:30AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.580000	38.30	10.7	56	17.7	QP	N	GND
4.510000	27.20	11.1	56	28.8	QP	N	GND
26.830000	38.60	11.5	60	21.4	QP	N	GND

MEASUREMENT RESULT: "PIPO617003_fin2"

6/17/2016 9:30AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.570000	32.20	10.7	46	13.8	AV	N	GND
4.260000	24.50	11.1	46	21.5	AV	N	GND
26.440000	34.40	11.5	50	15.6	AV	N	GND

Emissions attenuated more than 20 dB below the permissible value are not reported.

The spectral diagrams are attached as below.

ACCURATE TECHNOLOGY CO.,LTD

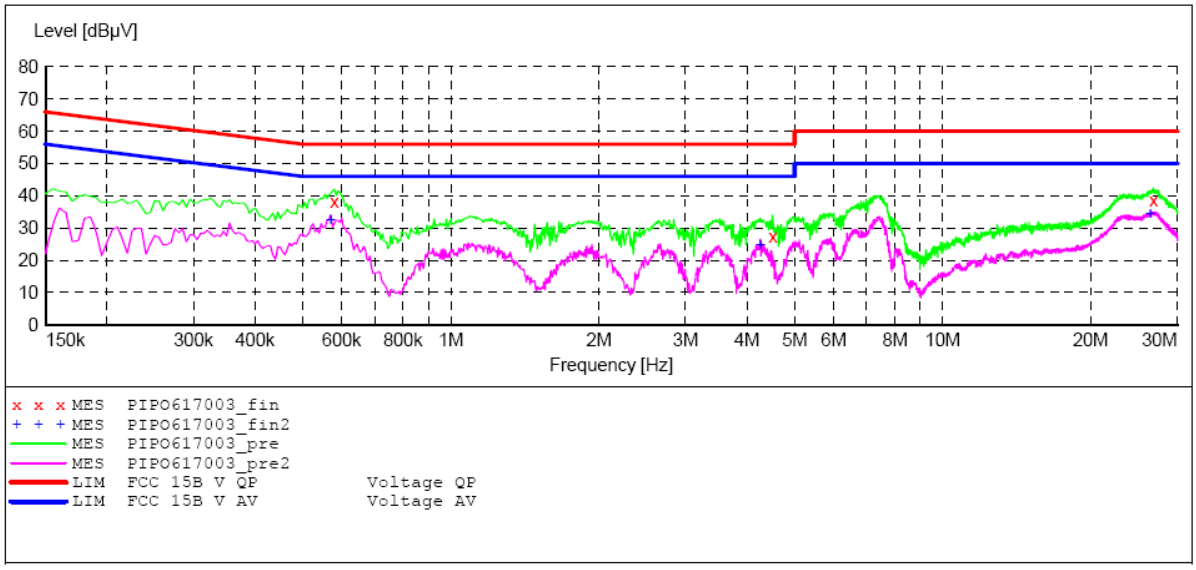
CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Media box M/N:X8
Manufacturer: Pipo
Operating Condition: BT operation
Test Site: 1#Shielding Room
Operator: STAR
Test Specification: N 240V/60Hz
Comment: Report No.:ATE20161491
Start of Test: 6/17/2016 / 9:26:58AM

SCAN TABLE: "V 9K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak Average	1.0 s	200 Hz	NSLK8126 2008
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak Average	1.0 s	9 kHz	NSLK8126 2008



MEASUREMENT RESULT: "PIPO617003_fin"

6/17/2016 9:30AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.580000	38.30	10.7	56	17.7	QP	N	GND
4.510000	27.20	11.1	56	28.8	QP	N	GND
26.830000	38.60	11.5	60	21.4	QP	N	GND

MEASUREMENT RESULT: "PIPO617003_fin2"

6/17/2016 9:30AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.570000	32.20	10.7	46	13.8	AV	N	GND
4.260000	24.50	11.1	46	21.5	AV	N	GND
26.440000	34.40	11.5	50	15.6	AV	N	GND

ACCURATE TECHNOLOGY CO.,LTD

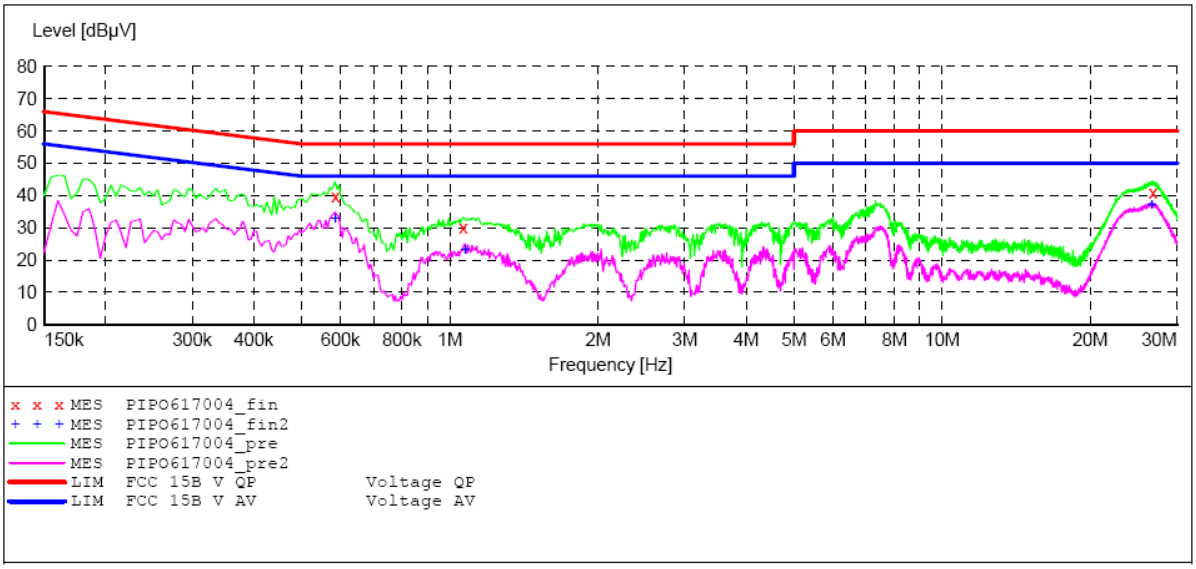
CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Media box M/N:X8
Manufacturer: Pipo
Operating Condition: BT OPERATION
Test Site: 1#Shielding Room
Operator: STAR
Test Specification: L 240V/60Hz
Comment: Report No.:ATE20161491
Start of Test: 6/17/2016 / 9:30:39AM

SCAN TABLE: "V 9K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak Average	1.0 s	200 Hz	NSLK8126 2008
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak Average	1.0 s	9 kHz	NSLK8126 2008



MEASUREMENT RESULT: "PIPO617004_fin"

6/17/2016 9:34AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.585000	39.70	10.7	56	16.3	QP	L1	GND
1.065000	30.20	10.9	56	25.8	QP	L1	GND
26.785000	40.90	11.5	60	19.1	QP	L1	GND

MEASUREMENT RESULT: "PIPO617004_fin2"

6/17/2016 9:34AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.585000	32.90	10.7	46	13.1	AV	L1	GND
1.075000	22.90	10.9	46	23.1	AV	L1	GND
26.650000	37.10	11.5	50	12.9	AV	L1	GND

ACCURATE TECHNOLOGY CO.,LTD

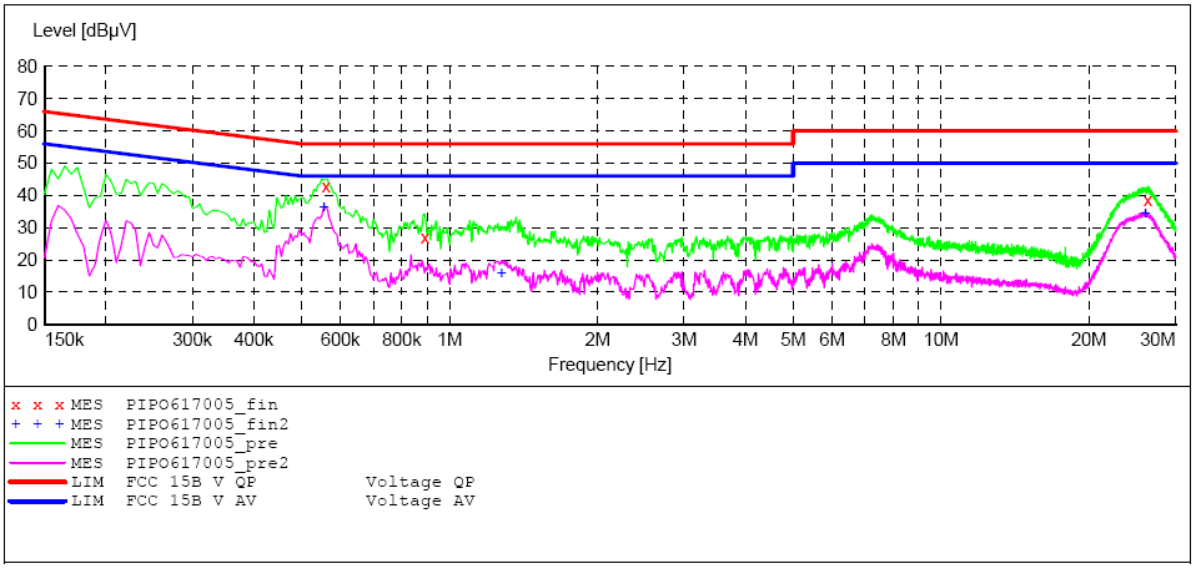
CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Media box M/N:X8
Manufacturer: Pipo
Operating Condition: BT OPERATION
Test Site: 1#Shielding Room
Operator: STAR
Test Specification: L 120V/60Hz
Comment: Report No.:ATE20161491
Start of Test: 6/17/2016 / 9:35:27AM

SCAN TABLE: "V 9K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak Average	1.0 s	200 Hz	NSLK8126 2008
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak Average	1.0 s	9 kHz	NSLK8126 2008



MEASUREMENT RESULT: "PIPO617005_fin"

6/17/2016 9:38AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.560000	43.00	10.7	56	13.0	QP	L1	GND
0.890000	26.90	10.8	56	29.1	QP	L1	GND
26.320000	38.50	11.5	60	21.5	QP	L1	GND

MEASUREMENT RESULT: "PIPO617005_fin2"

6/17/2016 9:38AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.555000	36.20	10.7	46	9.8	AV	L1	GND
1.275000	15.60	10.9	46	30.4	AV	L1	GND
26.050000	34.10	11.5	50	15.9	AV	L1	GND

ACCURATE TECHNOLOGY CO.,LTD

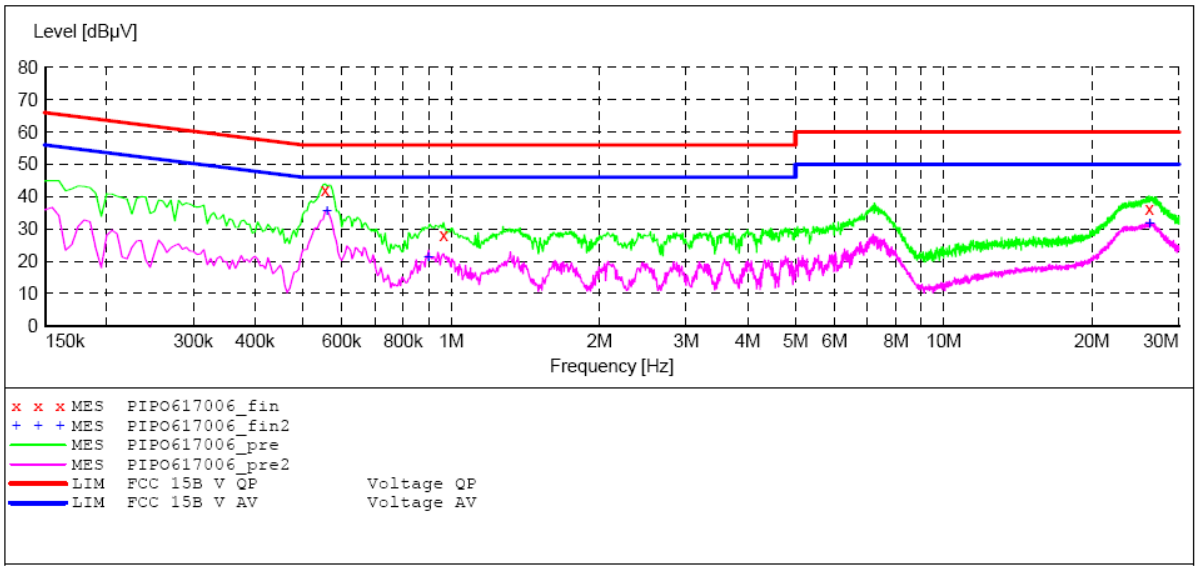
CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Media box M/N:X8
Manufacturer: Pipo
Operating Condition: BT OPERATION
Test Site: 1#Shielding Room
Operator: STAR
Test Specification: N 120V/60Hz
Comment: Report No.:ATE20161491
Start of Test: 6/17/2016 / 9:39:01AM

SCAN TABLE: "V 9K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak Average	1.0 s	200 Hz	NSLK8126 2008
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak Average	1.0 s	9 kHz	NSLK8126 2008



MEASUREMENT RESULT: "PIPO617006_fin"

6/17/2016 9:42AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.555000	42.10	10.7	56	13.9	QP	N	GND
0.965000	27.90	10.8	56	28.1	QP	N	GND
26.110000	36.10	11.5	60	23.9	QP	N	GND

MEASUREMENT RESULT: "PIPO617006_fin2"

6/17/2016 9:42AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.560000	35.60	10.7	46	10.4	AV	N	GND
0.900000	21.20	10.8	46	24.8	AV	N	GND
26.200000	31.40	11.5	50	18.6	AV	N	GND

7. ANTENNA REQUIREMENT

7.1.The Requirement

According to Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

7.2.Antenna Construction

Device is equipped with external antenna, which isn't displaced by other antenna. The Antenna gain of EUT is 2dBi. Therefore, the equipment complies with the antenna requirement of Section 15.203.